SPECIAL VOLUME

COMBINATORIAL DESIGNS – A TRIBUTE TO HAIM HANANI

Guest Editor: A. HARTMAN

CONTENTS

A. HARTMAN, Combinatorial designs – A tribute to Haim Hanani 1

A.M. ASSAF and A. HARTMAN, Resolvable group divisible designs with block size 3 5

L.M. BATTEN, Minimally projectively embeddable Steiner systems 21

F.E. BENNETT, The spectra of a variety of quasigroups and related combinatorial designs 29

E.J. BILLINGTON, New cyclic (61, 244, 40, 10, 6) BIBDs (Note) 51

A.E. BROUWER, A unital in the Hughes plane of order nine (Note) 55

C.J. COLBOURN and V. RŐDL, Percentages in pairwise balanced designs 57

M.J. DE RESMINI, On complete arcs in Steiner systems $S(2, 3v)$ and $S(2, 4v)$ 65

N. HAMADA and M. DEZA, A survey of recent works with respect to a characterization of an $(n, k, d; q)$-code meeting the Griesmer bound using a min-hyper in a finite projective geometry 75

H. HANANI, BIBD's with block-size seven 89

K. HEINRICH, P. HORÁK and A. ROSA, On Alspach's conjecture 97

D. JUNGNICKEL, Some self-blocking block designs 123

E.S. KRAMER, S.S. MAGLIVERAS and R. MATHON, The Steiner systems $S(2, 4, 25)$ with nontrivial automorphism group 137

E.R. LAMKEN and S.A. VANSTONE, Balanced tournament designs and related topics 159

I. LANDGEV and V.D. TONCHEV, Automorphisms of 2-(22, 8, 4) designs 177

C.C. LINDNER, C.A. RODGER and D.R. STINSON, Nesting of cycle systems of odd length 191

R. MATHON and A. ROSA, On the (15, 5, λ)-family of BIBDs 205

R.C. MULLIN, Finite bases for some PBD-closed sets 217

A.J. PETRENJUK, On the constructive enumeration of packings and coverings of index one 237

K. PHELPS, D.R. STINSON and S.A. VANSTONE, The existence of simple $S_3(3, 4, v)$ 255

R. REES and D.R. STINSON, On combinatorial designs with subdesigns 259

S. SCHREIBER, Cyclical Steiner Triple Systems orthogonal to their opposites 281

S. SCHREIBER, Symmetric quasigroups of odd order 285

M.J. SHARRY and A.P. STREET, Partitioning sets of quadruples into designs I 299

H. SIEMON, Infinite families of strictly cyclic Steiner quadruple systems 307

R.G. STANTON, Minimal pairwise balanced designs 317

D.J. STREET, Combinatorial problems in repeated measurements designs 323

L. TEIRLINCK, Locally trivial t-designs and t-designs without repeated blocks 345

G.H.J. VAN REES, A new family of BIBDs and non-embeddable (16, 24, 9, 6, 3)-designs 357

H. ZEITLER, Modifications of the "central-method" to construct Steiner triple systems 367

Author Index to Volume 77 385